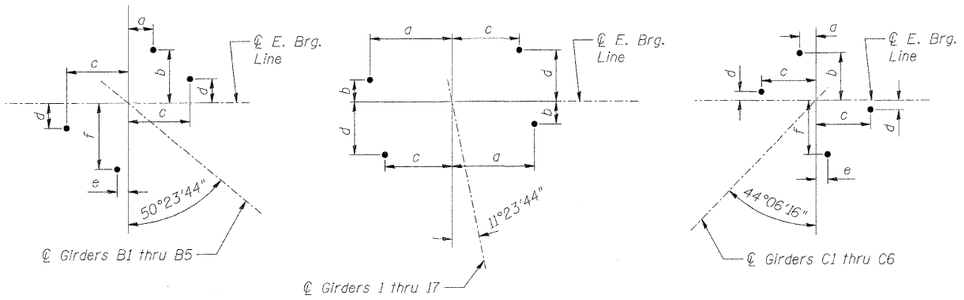
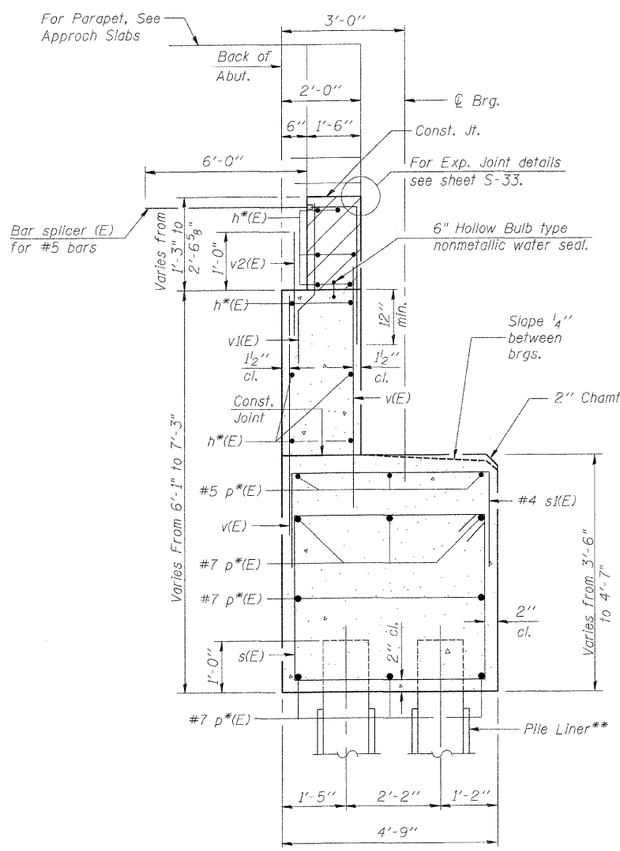
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-10K-1,60-10HB	MADISON	420	273
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76709

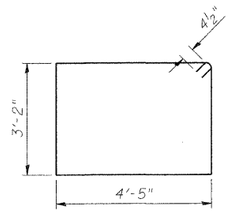


GIRDER	a	b	c	d	e	f
B1,B2	1 9/16"	8 3/4"	8 5/16"	3 5/16"	1 9/16"	8 3/4"
B3	1 1/4"	9"	8 5/8"	2 7/8"	1 1/4"	9 1/16"
B4	1 1/4"	9"	9"	2 5/8"	7/8"	9 5/16"
B5	4 3/4"	9"	10 11/16"	4 1/8"	2 1/16"	11 5/16"
1,17	14"	3 13/16"	11 1/16"	8 15/16"	-	-
2,16	10 15/16"	3 9/16"	8 11/16"	7 1/2"	-	-
3-15	7 3/8"	2 1/16"	7 3/8"	5 5/16"	-	-
C1,C2	2 1/2"	8 9/16"	8 5/8"	2 1/4"	2 1/2"	8 9/16"
C3,C4	2 1/4"	8 7/8"	8 15/16"	1 15/16"	2 1/4"	8 7/8"
C5,C6	2 1/16"	9	9 1/4"	1 5/8"	1 15/16"	9 3/16"

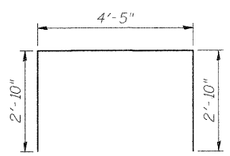
ANCHOR BOLT LAYOUT EAST ABUTMENT



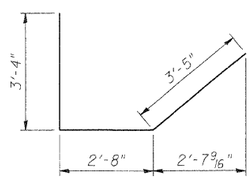
SEC. THRU ABUT.



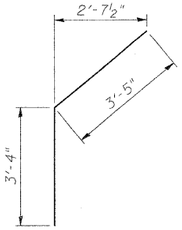
BARS s(E)



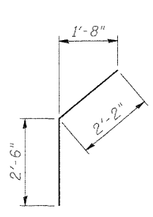
BARS s1(E)



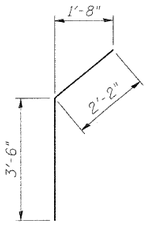
BAR u(E)



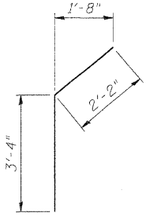
BAR u1(E)



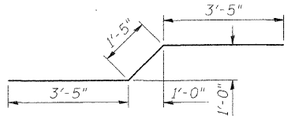
BAR u3(E)



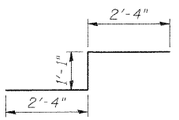
BAR u4(E)



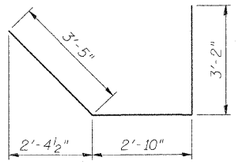
BAR u5(E)



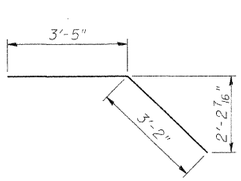
BAR u2(E)



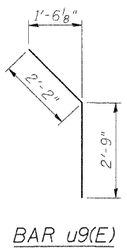
BAR u6(E)



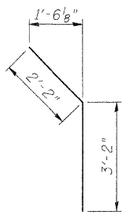
BAR u7(E)



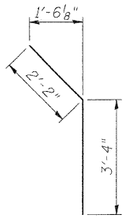
BAR u8(E)



BAR u9(E)



BAR u10(E)



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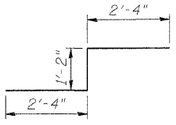

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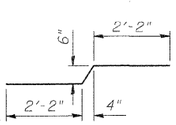
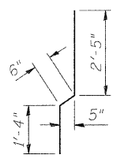


BAR u13(E)



BAR v1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	12	#5	27'-8"	
h1(E)	18	#5	26'-8"	
h2(E)	12	#5	26'-6"	
h3(E)	18	#5	27'-7"	
h4(E)	12	#5	32'-1"	
h5(E)	18	#5	24'-10"	
h6(E)	12	#5	30'-11"	
h7(E)	18	#5	25'-5"	
h8(E)	2	#5	21'-4"	
p(E)	16	#7	34'-0"	
p1(E)	16	#7	36'-8"	
p2(E)	6	#5	21'-3"	
p3(E)	3	#5	10'-9"	
p4(E)	3	#5	30'-0"	
p5(E)	3	#5	16'-2"	
p6(E)	16	#7	37'-6"	
p7(E)	16	#7	32'-8"	
p8(E)	3	#5	23'-0"	
p9(E)	3	#5	31'-5"	
p10(E)	3	#5	20'-9"	
p11(E)	3	#5	30'-0"	
p12(E)	3	#5	11'-3"	
s(E)	330	#4	15'-11"	
s1(E)	185	#4	10'-1"	
u(E)	3	#7	9'-5"	
u1(E)	3	#7	6'-9"	
u2(E)	6	#7	8'-3"	
u3(E)	6	#5	4'-8"	
u4(E)	3	#5	5'-8"	
u5(E)	3	#5	5'-6"	
u6(E)	4	#5	5'-9"	
u7(E)	3	#7	9'-5"	
u8(E)	3	#7	6'-7"	
u9(E)	6	#5	4'-11"	
u10(E)	3	#5	5'-4"	
u11(E)	3	#5	5'-6"	
u12(E)	4	#5	5'-10"	
u13(E)	4	#5	4'-11"	
v(E)	532	#5	4'-10"	
v1(E)	266	#4	4'-3"	
v2(E)	266	#5	2'-6"	
Concrete Structures		Cu. Yd.	221	
Reinforcement Bars, Epoxy Coated		Pound	17,310	
Test Pile Metal Shell		Each	1	
Furnishing Metal Pile Shells 12" x 0.250"		Foot	5.676	
Driving Piles		Foot	5.676	

NOTES:

1. Hatched area to be poured after superstructure falsework has been removed. Quantity of concrete included with Concrete Superstructure.
2. * - Indicates for bar designation see abutment plan and elevation.
3. ** - Pile Liner shall be included in the cost of "Furnishing Metal Pile Shells 12". Do not fill annulus between pile and pile liner. Provide filter fabric around top of pile liner
4. Reinforcement bars designated (E) shall be epoxy coated.
5. For details of Bar splicers, see Sht. S-63.

REVISIONS NAME	DATE

SHT. S-55 OF S-68

STV Incorporated
Engineers/Architects/Planners/Construction Managers
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Chicago, IL 60606-5015
312/553-0655, FAX 312/553-0661

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 162 OVER I-55/70 IN TROY
F.A.I ROUTE 70 SECTION 60-10K-1, 60-10HB
MADISON COUNTY STATION 499+48.35
STRUCTURE NO. 060-0338

EAST ABUTMENT DETAILS

DESIGNED: JAW DRAWN: BTO
DATE: 03/06 CHECKED: BTO CHECKED: JAW

M:\605_060east.dgn 1/26/2009 2:54:01 PM